

FLEXIBLE INSULATION BLANKET HAVING A CERAMIC MATRIX COMPOSITE OUTER LAYER

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ABSTRACT OF THE DISCLOSURE

A flexible insulation blanket having a ceramic matrix composite (CMC) outer layer, and a method of producing a flexible insulation blanket having a smooth, aerodynamically suitable, outer surface by infiltrating ceramic material within the outer ceramic fabric layer of the flexible insulation blanket and curing the ceramic material to form a CMC layer. The CMC layer is cured while the blanket is under compression such that the resulting CMC layer has a smooth surface.

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